## Patent Abstracts of Japan

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07264701

APPLICANT: JAPAN STEEL WORKS LTD:THE;

INVENTOR: NISHIDA SHOZO;

INT.CL.

B29C 45/16 B29C 45/26

TITLE

MOLDING METHOD OF MOLDED

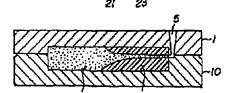
FORM CONSISTING OF DIFFERENT

MATERIAL AND MOLDING DIE **THEREFOR** 

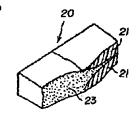
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ABSTRACT :

PROBLEM TO BE SOLVED: To provide a molding method of a molded form consisting of different materials, which permits the shortening of molding cycle as well as obtaining a die employed for molding inexpensively and, further, high connecting strength of molded forms.

SOLUTION: Upon molding a molded form by filling a hard material and a soft material into a cavity 2, consisting of a first cavity 3, molding the hard material part, and a second cavity 4 for molding the hard material part, a composite injection machine, provided with two sets of cylinders with respect to one set of injection nozzle, is employed and, at first, the hard material 21 is injected in a degree that the first cavity 3 is filled substantially. Before solidifying the hard material 21, the soft material 23 is injected into the second cavity 4 in a form that the hard material 21 is broken through the central part thereof substantially to fill the whole of the cavity 2.

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